



IOAP 4.1-1
Appl. No. 10/526,800
Amdt. Dated: November 25, 2008
Reply to Office Action/Restriction Requirement mailed September 23, 2008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 10/526,800 Confirmation No. 7409
Applicants : Anatoly L. Vikharev et al.
Filed : March 7, 2005
Title : HIGH VELOCITY METHOD FOR DEPOSITING
DIAMOND FILMS FROM A GASEOUS PHASE IN
SHF DISCHARGE PLASMA AND DEVICE FOR
CARRYING OUT SAID METHOD
TC/A.U. : 1792
Examiner : Rakesh Kumar Dhingra
Docket No. : IOAP 4.1-1
Customer No. : 21036

MAIL STOP AMENDMENT
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ALEXANDRIA VA 22313-1450

**RESPONSE TO RESTRICTION REQUIREMENT
UNDER 35 USC 121**

Sir:

In response to the Restriction Requirement in the Office Action mailed September 23, 2008, requiring an election of Species in Claims 7-15, the Applicants elect Claim 7 as generic and Claims 8 and 14 as dependent on Claim 8. This is the four mirror system. The elected four mirror system is shown in Figures 1 and 2, subject

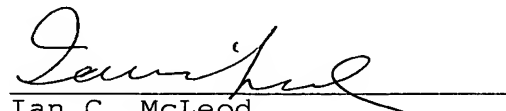
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to the Argument presented herein.

The Applicants are of the opinion that Species 1, 2 and 3 (Claims 7, 8-10 and 14) as indicated by the Examiner are substantially a single Species, since they are united by a method of producing at least two coherent Gaussian wave beams which then interfere with each other over the substrate, with generating thereby a standing wave. Namely, Species 1, 2 and 3 use an oversized rectangular waveguide (divider 15 on Figures 1-4, see also paragraphs [0056]-[0060]) to produce two or four coherent beams. The divider operation is based on the effect of image multiplication during propagation of an electromagnetic wave through oversized rectangular waveguide (see paragraph [0044]).

An Office Action on the merits is requested.

Respectfully,



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